

1R - 427-17

**APPROVALS**

**YEAR(S):**

2007

**Hansen, Edward J., EMNRD**

**From:** Hansen, Edward J., EMNRD  
**Sent:** Wednesday, May 23, 2007 2:48 PM  
**To:** chaynes@riceswd.com  
**Cc:** kpope@riceswd.com; ldeuel@hughes.net; Price, Wayne, EMNRD; 'Mike Griffin'  
**Subject:** RE: Sarah Phillips EOL Remediation Protocol

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Dear Ms. Haynes:

The New Mexico Oil Conservation Division (NMOCD) has reviewed your "Remediation Protocol" (submitted by Mike Griffin via email on May 17, 2007, and the revised version on May 23, 2007) for the above referenced site. Since this is an experimental protocol, additional measures may be required to encourage vegetative diversity or density. However, the vegetative diversity and density can be monitored with relative ease. Therefore, the NMOCD hereby approves the protocol with the condition that the proposed corrective action be initiated by June 15, 2007, at the site. Also, Rice Operating Company must submit a quarterly summary report(s) for the site. Upon review of the report(s), the NMOCD will determine if additional measures will be required for the site to encourage additional vegetative diversity or density.

Please be advised that NMOCD approval of these plans does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve the owner/operator of responsibility for compliance with any NMOCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen  
 Hydrologist  
 Environmental Bureau

**From:** Mike Griffin [mailto:whearth@msn.com]  
**Sent:** Thursday, May 17, 2007 8:06 AM  
**To:** Price, Wayne, EMNRD; Hansen, Edward J., EMNRD  
**Cc:** chaynes@riceswd.com; kpope@riceswd.com; ldeuel@hughes.net  
**Subject:** Sarah Phillips EOL Remediation Protocol

Good Morning, All:

Attached, please find a copy of the Rice Operating remediation protocol discussed last week. It contains some new approaches including the exclusive use of conductivity, sodium adsorption ratios, exchangeable sodium percentages, and cation exchange capacities as the delineation and remediation objectives, the use of bentonite matting as a contaminant migration barrier, and re-vegetation loading calculations developed by our Dr. Lloyd Deuel.

If successful, I believe that each of these new approaches may result in significant savings not only to

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our client on this project, but to the industry as a whole.

We do hope to begin the work around the first of June and very much look forward to the opportunity of discussing any questions or comments you may have.

Mike Griffin

Whole Earth Environmental, Inc.

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